

TIUNOV, L.A.; SMIRNOVA, O.I.

Effect of carbon monoxide on the outcome of roentgenirradiation.
Farm.i toks. 23 no.3:268-271 My-Je '60. (MIRPA 14:3)
(CARBON MONOXIDE) (RADIATION SICKNESS)

KUSTOV, V.V., kand.med.nauk; TIUNOV, L.A., kand.med.nauk (Leningrad)

Analysis of the atmosphere containing various toxic mixtures.
Gig.i san. 25 no.7:92-93 J1 '60. (MIR: 14:5)
(AIR—POLLUTION)

PL

PHASE I BOOK EXPLOITATION

SOV/5916

Triunov, L. A., G. A. Vasil'yev, and V. P. Paribok

Protivolumchevyye sredstva; spravochnik (Antiradiation Measures; Handbook)
Moscow, Izd-vo AN SSSR, 1961. 171 p. Errata slip inserted. 5000 copies
printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut tsitologii.

Ed.: V. P. Paribok, Doctor of Medical Sciences, Professor; Tech.
Ed.: R. A. Zamareyeva.

PURPOSE: This handbook is intended for physicians, public health doctors,
and medical research workers who are specializing in radiation medicine.

COVERAGE: The book contains data on more than 500 antiradiation preparations
which have been tested with varying degrees of success on different types
of animals, plants, microorganisms, etc. to determine their effectiveness
as prophylactic agents against radiation affections. The authors have

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Antiradiation Measures; Handbook

SOV/5916

attempted to present in summary form the most important data published to date in the field and to provide a ready guide or standard for measuring the effectiveness of the more recent antiradiation preparations as they are developed. The material is arranged in alphabetical order. In the absence of any special definition, radiation means x-radiation. No personalities are mentioned. Some references appear in the text.

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Card 2/3	

41844

S/205/62/002/004/004/014
I015/I215

27.12.20

AUTHORS: Tiunov, L.A., Vasil'yev, G.A., and Smirnova, O.I.
(Leningrad)

TITLE: The effect of lethal X-ray doses on the blood
catalase activity

PERIODICAL: Radiobiologiya, v.2, no.4, 1962, 548-552

TEXT: There are contradictory reports in medical literature about
the effect of radiation injuries on the catalase activity in blood.
Experiments were carried out on 10 female dogs weighing 14-17 kg.
The animals were X-irradiated from two PYM -3 (RUM-3) apparatuses
simultaneously. The dose rate from apparatus No.1 was 12r/min.
and that from No.2, 10r/min, up to a total dose of 600-650r. The
blood catalase activity was determined every 5-10 min during one
hour after irradiation. It was subsequently determined every
second day during the entire observation period. The activity
of catalase was measured manganometrically, according to the method
of Bakh and Zubkova. Twenty days after irradiation, only one of

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S/205/62/002/004/004/014
I015/I215

The effect of lethal X-ray doses...

the dogs survived. The other animals survived on an average 14.9 days. The blood catalase activity decreased within 5 min after irradiation, and reached its maximum decrease after 20-30 min. The low activity level remained during the subsequent days, with a maximum decrease on the 18th day (one third of the normal). It is assumed that the "catalase mechanism" is related to the primary reactions of the organism to radiation injuries. There are 2

SUBMITTED: February 5, 1962

Card 2/2

TIUNOV, L.A.; VASIL'YEV, G.A.

Use of cytochrome C for the treatment of acute carbon monoxide
poisoning. Farm. i toks. 25 no.4:483-484 Jl-Ag '62.

(MIRA 17:10)

GROKHOL'SKAYA, N.V. [deceased]; KACHURINA, N.A.; TIUNOV, L.A.

Mechanism of the toxic effects of isopropylbenzene hydroperoxide.
Farm. i toks. 27 no.1:83-87 Ja-F '64.

(MIRA 17:11)

KACHURINA, N.A.; TIUNOV, L.A. (Leningrad)

Characteristics of pyrimidine metabolism in tumor tissues.
Usp. sovr. biol. 59 no.1:114-127 Ja-F '65.

(MIRA 18:3)

L 16075-66 EWT(1) SCTB DD

ACC NR: AP6007745

SOURCE CODE: UR/0293/66/001/001755910017-5

AUTHOR: Tiunov, L. A.; Kustov, V. V.

ORG: none

46

B

TITLE: Endogenous formation of carbon monoxide and its role in a closed ecological system

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 1, 1966, 144-150

TOPIC TAGS: carbon monoxide, closed ecology system, life support system, biochemistry, plant chemistry, radiation biologic effect, plant biologic effect, tissue physiology

ABSTRACT: Problems of the endogenous formation of carbon monoxide are reviewed and the importance of this phenomenon in closed ecological systems is stressed in a recent Soviet survey article. The review includes the following headings: Endogenous formation of carbon monoxide in mammals; Mechanism of endogenous carbon monoxide formation; Endogenous formation of carbon monoxide under the effect of ionizing radiation; and Formation of carbon monoxide in plants. It is stated that the simultaneous processes of endogenous CO formation, CO oxidation, and CO fixation take place in animal and plant tissues. These competing processes result in a certain equilibrium. This fact should be taken into account in developing life-support systems for spaceships. Orig. art. has: 1 figure. [ATD PRESS: 4198-F]

SUB CODE: 06 / SUBM DATE: 16Feb65 / ORIG REF: 012 / OTH REF: 055
Card 1/1 m/c UDC: 629.198.6:615.9

L 05010-91 EMR(J)/EMI(m) RM
ACC NR: AP6031939 (N) SOURCE CODE: UR/0177/66/000/009/0048/0051

AUTHOR: Tiunov, L. A. (Colonel, Medical Corps; Professor); Kolosova, T. S.
(Candidate of biological sciences)

ORG: none

18
B

TITLE: Sanitary inspection in connection with the use of new chemical materials in
shipbuilding

SOURCE: Voyenno-meditsinskiy zhurnal, no. 9, 1966, 48-51

TOPIC TAGS: analytic chemistry, gas chromatography, biochemistry,
shipbuilding, material control, sanitary control

ABSTRACT: The authors review current works on the sanitary control of chemical
materials used in shipbuilding. They suggest that gas-chromatographic and
physical methods be added to those of analytical chemistry in order to obtain a
correct evaluation of the complex gas contaminants emanating from polymer
materials. The use of the biochemical research method developed by A. A.
Pokrovskiy in 1953 to determine phosphororganic compounds is suggested. A
considerable expansion in the development of highly sensitive quantitative methods

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UDC: 614.31:66.017/019

L 05919-07
ACC NR: AP6031939

for analysis of complex gas mixtures is considered to be of major importance. Sanitary control must also include control over the strict correspondence between brands and various state technical specifications for materials permitted or actually used in shipbuilding. All materials must satisfy definite toxicologic health requirements. The odor coefficient of materials as a criterium is considered highly important. In conclusion the authors stress the many problems related to sanitary control of synthetic materials which must be solved in order to improve living conditions on board Soviet navy ships.

SUB CODE: 13,07 / SUBM DATE: none / ORIG REF: 010 / OTH REF: 008 /

kh

Card 2/2

SOKOLOVA, S.M.; TIUNOVA, N.A.

Irreplaceable amino acid content in the herbage of corn and the
perennial wheat M-2. Biul.Glav.bot.sada no. 48:53-56 '63.
(MIRA 17:5)

1. Glavnnyy botanicheskiy sad AN SSSR.

SOKOLOVA, S.M.; TIUNOVA, N.A.

Results of research work on the biochemical and physiological characteristics of the perennial M-2 wheat. Biokhim. zер. 1 khlebopech. no.7:101-116 '64. (MIRA 17:9)

1. Glavnnyy botanicheskiy sad AN SSSR, laboratoriya fiziologii razvitiya rasteniy.

BLAGOVESHCHENSKIY, A.V.; TIUNOVA, N.A.

Effect of succinic acid on the proteolytic enzymes of germinating
seeds. Biul. Glav. bot. sada no.54:73-75 '64.

(MIRA 17:11)

1. Glavnnyy botanicheskiy sad AN SSSR.

TIUNOV, N.I., slesar¹.

Device for adjusting buckets. Torf.prom. 31 no.5:29-30 '54.
(MLRA 7:8)

1. Torfopredpriyatiye Godylevo.
(Peat machinery)

S/137/62/000/002/017/144
A006/A101

AUTHORS: Madyanov, A. M., Perlitin, Ye. S., Tiunov, P. A.

TITLE: Comparing the chemical heterogeneity of an 8-ton ingot of a new shape with a bulk ingot

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, #2, abstract 2V256
(V sb. "Novoye v litye. proiz-ve. no. 3", Gor'kii, 1960, 238-240)

TEXT: A medium carbon steel ingot (0.41 - 0.53% C) of a new shape is different from a bulk ingot by a lower H : D. To compare the chemical heterogeneities of both ingots, a chemical analysis was made for C, P and S in samples taken off longitudinal and transverse templets. It was established that the new ingot shows a lesser range of changes in the C, P and S concentration over the height in the axial section, than the bulk ingot. ✓

P. Arsent'yev

[Abstracter's note: Complete translation]

Card 1/1

L 22045-66 EWT(1)/EWT(m)/EWP(j)/EWP(v)/EWA(h) IJP(c) WW/RM

ACC NR: AP6009591 (N) SOURCE CODE: UR/0256/65/000/010/0059/0061

AUTHOR: Chayka, V. M. (Engineer, Captain); Tiunov, P. A. (Captain)

ORG: None

TITLE: Repair of insulated cables 25

SOURCE: Vestnik protivovozdushnoy oborony, no. 10, 1965, 59-61

TOPIC TAGS: ~~electric engineering~~, high voltage line, communications wire, electric cable, insulated wire, soldering/GTSh-3KhG insulated wire

ABSTRACT: After reviewing various active agents (ozone, surges, etc.) causing deterioration of cable insulation, the authors describe in detail the procedures used for repairing high-voltage rubber-covered cables of GTSh type. The repairs were made under military field conditions on cables laid on supports in trenches. The max. span between supports was 80 cm. Safety measures to be taken in handling high-voltage cables and in removing the damaged cable section were briefly discussed. Methods of forming new joints by skinning, twisting and soldering wires were explained. Split copper cable connecting sleeves of GM type could also be used. Soldering

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42
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L 22045-66

ACC NR: AP6009591

4/

pastes of POS-18 and POS-30 types were employed. New wire joints were wrapped with PI-35 and TS3h-30 tapes to the thickness of the insulation on the original wires. Then, the entire restituted connection was wrapped with three layers of TS3h-30 rubber tapes and one cotton tape layer. Vulcanization of the connection was recommended. Ground wires were reconnected without soldering. Overall protection was formed by a layer of cotton tape and three or four layers of ShVP-50 rubber tape. Vulcanization was applied again. The amount of various materials used for repairing the GTSh-3Kh6 cable was given.

SUB CODE: 09/3/ SUBM DATE: None / ORIG REF: 000 / ORIG REF: 000

Card 2/2

PB

TIUNOV, S.

Instilling labor discipline in a factory shop. Sov.profsoiuzy
6 no.18:43-44 D '58. (MIRA 12:2)
(Labor discipline)

TIUNOV, V.; NAZAROVSKIY, B.N., red.; NEUDAKINA, N.G., tekhn.red.

[Industrial development of the western Urals] Promyshlennoe
razvitiye Zapadnogo Urala. Perm', Permskoe knizhnoe izd-vo.
Book 3. 1958. 333 p. (MIRA 13:2)
(Perm Province--Industries)

TIUNOV, V.F., prof., red.; MAKHANEK, K.S., dotsent, red.; NIKOLAYEV,
S.F., assistant, red.; SANDLER, I.S., dotsent; red.; CHAZOV,
B.A., dotsent, red.; GRATEVSKIY, A.M., red.izd-va; NEUDAKINA,
N.G., tekhn.red.

[Perm Province; nature, history, economy, culture] Permskaja
oblast'; priroda, istorija, ekonomika, kul'tura. Red.kollegija
K.S.Makhanek i dr. Perm', Permskoe knizhnoe izd-vo, 1959.
405 p.

(MIRA 13:2)

(Perm Province--Economic conditions)

TIUNOV, V., doktor ekonom. nauk

More attention to the development of the flour milling
industry in Perm Province, Muk.-slev. prom. 29 no.8:6-8
Ag '63. (MIRA 17:1)

1. Permskiy gosudarstvennyy universitet.

TIUNOV, V.: NAZAROVSKIY, B.N., redaktor; LAPRUN, K.I., tekhnicheskiy
redaktor.

[Industrial development of the western Urals] Promyshlennoe razvitiye
zapadnogo Urala; istoriko-ekonomicheskii ocherk. Molotov, Molotov-
skoe knizhnoe izd-vo, 1954. 205 p. (MLRA 8:8)
(Ural Mountain region--Industrialization)

TIUNOV, V.F.

Zapadnyi Ural. Western Urals. Molotov, Molotovskoe obl. izd-vo, 1943. 141 p.
Railroad transportation and waterways (p. 130-142).

DLC: HC487.U85T5

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress
Reference Department, Washington, 1952, Unclassified.

TIUNOV, V. F.

TIUNOV, V. F. Piatiletний план сибирской промышленности. Новосибирск, Сибрайиздат, 1929.
88 p. (Сибирский край через 5 лет.)

DIC: Unclass.

SO: IC, Soviet Geography, Part II, 1951/Unclassified

TIUNOV, V. F.

TIUNOV, V. F. ed. Zapadno-sibirskii krai; goroda i raiony; osnovnye pokaziteli. Novosibirsk
Zapsibkraizdat, 1936. 373 p. DLC: DK753.T5

SO: LC, Soviet Geography, Part I, 1951, Uncl.

TIUNOV, V. F.

TIUNOV, V. F. Piatiletii plac sibirskoi promyshlennosti. Novosibirsk, Sibkraiizdat, 1929.
88 p. (Sibirskii Krai cherez 5 let.).

DLC: Unclass.

So: LC, Soviet Geography, Part II, 1951/Unclassified.

TIUNOV, V. F.

TIUNOV, V. F. Uralo-Kuznetskii kombinat (Sibirskaia chast'). 2. izd., ispr. i dop.
(Novosibirsk). Zapsibotdelenie, 1931. 67, (1) p.

DLC: Unclass.

So: LC, Soviet Geography, Part II, 1951/Unclassified.

TIUNOV, V. F.

TIUNOV, V. F., ED. Zapadno-Sibirskii Krai; goroda i raiony; osnovnye pokazateli. Novosibirsk, Zapsibkraiizdat, 1936. 373, (3) p.

DLC: DK753.F5

So: LC, Soviet Geography, Part II, 1951/Unclassified.

... . . .

TIUNOV, V.F. Zapadnyi Ural. Molotov, Meletovskoe obl. izd-vo, 1943. 141 p.
BLG: HCH.UUZ

SO: LC, Soviet Geography, Part II, 1941, Unclassified

TIUNOV, V. F.

TIUNOV, V. F.

Zapadnyi Ural. Molotov, Molotovskoe obl.

izd-vo, 1943. 141 p.

CSt-H InU MH NN

DLC: HCh 7.U05.T5

SO: LC, Soviet Geography, Part I, 1951, Incl.

TIUNOV, V.F.

TIUNOV, V.F. Zapadnyi Ural. Molotov, Molotovskoe obl. izd-vo, 1953, 141 p.
CSt-H InU MH MI

uLC: HC487.U8575

SO: LC, Soviet Geography, Part I, 1951, Uncl.

TIUNOV, V.F.

TIUNOV, V.F. Uralo-Kuznetskii kombinat. Sibirskaiia chast'. 2. izd., ispr. i do..
Novosibirsk, Zapsibotdelenie, 1951. 67 p.

DLC: Unclass.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

TIUNOV, V.F.

TIUNOV, V.F. Piatiletii plan sibirskoi promyshlennosti. Novosibirsk, Sibkraii:dat, 1929. 82 p. (Sibirskii Krai cherez 5 let.)

DLC: Unclass.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

TIUNOV, V.I.

TIUNOV, V.I., kand. vet. nauk.

Developmental cycle of the nematode *Trichonema longibursatum* in
the body of the horse. Trudy VIGIS 5:65-67 '53. (MIRA 11:1)
(Nematoda) (Parasites--Horses)

THE BOSTONIAN 37

Pathology - Aparasitologicheskij i histologicheskij issledovaniy v otdelenii kibioekspertika lishchey pri uzalkovym trichome. "Works on Helminthology" on the 75th birthday of K. I. Skryabin, Izdat. Akad. Nauk, SSSR, 1953, page 694.
Chair Parasitology, Kirov Agricultural Inst.

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755910017-5"

TIUNOV, V.I., dotsent; USTINOV, I.D., assistant

Prophylactic measures as a basis for controlling mastrongylosis in
swine. Veterinariia no.12:10-12 D '63. (MIRA 17:2)

I. Kirovskiy zolotokhuzayatzvennyy Institut.

SIMONOV, P.M.; KROPANEV, A.I.; TIUNOV, V.Ye.; VASIL'YEV, P.T.;
TURTSEVA, I.M.; SAKALDINA, Ye.D.; DYLDIN, Yu.N.;
ERAYLOVSKIY, N.G., inzh., red.; MEDVEDEVA, M.A., tekhn.
red.

[Advanced method for car inspection and repair in trains;
experience of the technical inspection point of the Sverd-
lovsk-Sortirovochnaya Station of the Sverdlovsk Railroad]
Perekovoi metod osmotra i remonta vagonov v poezdakh; opy-
raboty punkta tekhnicheskogo osmotra stantsii Sverdlovsk
Sortirovochnyi Sverdlovskoi dorogi. Moskva, Transzheledor-
izdat, 1963. 39 p. (MIRA 17:3)

L 01055-67 EWT(1)/EEC(k)-2/T/EWP (k) IJP(c) WG/GD
ACC NR: AT6015136 SOURCE CODE: UR/0000/66/000/000/0137/0143

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Bt/

AUTHOR: Ratner, A. M.; Rom-Krichevskaya, I. A.; Tiunov, Yu. A.

ORG: Physico-Technical Institute of Low Temperatures, AN UkrSSR (Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR)

TITLE: Separate intensity peaks in laser radiation

SOURCE: Respublikanskiy seminar po kvantovoy elektronike. Kvantovaya elektronika (Quantum electronics); trudy seminara. Kiev, Naukova dumka, 1966, 137-143

TOPIC TAGS: laser, laser theory, solid state laser

ABSTRACT: An integral equation describing high-intensity variations of laser radiation is analyzed; the number of excited centers of luminescence increases with pumping and decreases due to de-excitation by luminous energy. With large reflector-misalignment angles, the light energy generated in a given peak does not last until the next peak; hence, each peak is formed separately. The distinguishing features of the separate peaks are: (1) They are sharper than conventional oscillations; (2) They have a longer period; (3) They are regular; (4) No damping occurs with a continuous

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ACC NR: AT6015136

pumping; (5) The time of generated radiation does not exceed the period; this time determines the radiation spectrum; (6) Separate peaks are less polarized, and their polarization is independent of the peak number; (7) The generated energy is smaller in the case of separate peaks. A specimen of Nd glass 150-mm long and 14-mm diameter was used in an experimental study of the separate peaks; the mirror-axes misalignment was 2 angular minutes; oscillograms exhibit some changes in the generation pattern. Orig. art. has: 2 figures and 16 formulas.

SUB CODE: 20 / SUBM DATE: 12Feb66 / ORIG REF: 001 / OTH REF: 002

ACUM
Card 2/2

CA

The causes of winter killing of grain crops when flooded
K. P. Tsiunova, Doklady Pressuys. Akad. Nauk SSSR
Nauk. 1951, T. Leningrad 16, No. 4, 10-13 (1951). Plants
grown in pots were flooded for 10 days during which some
were aerated with normal air, others with CO_2 , and still
others with O_2 . The plants that had CO_2 aeration survived
better than those aerated with O_2 or air. Thus, it is CO_2
deficiency rather than O_2 deficiency that is responsible for
the killing of plants. At low temps. flooding has little effect
I. S. Joffe

11D

The causes of winter killing of grain crops when flooded
K. P. Timova. *Doklady Vsesoyuz. Akad. Sel'sko-Khoz. Nauk im. V. I. Lenina* 10, No. 4, 10-10(1951).--Plants grown in pots were flooded for 10 days during which some were aerated with normal air, others with CO_2 , and still others with O_2 . The plants that had CO_2 aeration survived better than those aerated with O_2 or air. Thus, it is CO_2 deficiency rather than O_2 deficiency that is responsible for the killing of plants. At low temps. flooding has little effect.

J. S. Joffe

FIUNOV, F. G.

Organizing silting by means of pulp pumping equipment. Ugol' 33 no.9:
37 S '58. (MIRA 12:1)

1. Shakta "Bukachacha-I."
(Silt) (Mine pumps)

TIUNOV, L.A. (Leningrad)

Basic properties of xanthine oxidase. Usp.sovr.biol. 48 no.1:59-74
Jl-Ag '59. (MIRA 12:12)
(DEHYDROGENASE, pharmacology)

TIUNOVA, N.A.

Comparative investigation of gliadin in perennial wheat and its
parental forms by the diffuse salting-out method. Trudy Glav. bot.
sada 7:55-66 '61. (MIRA 14:3)
(Gliadin) (Wheat) (Salting-out)

17(3,4)

AUTHOR:

Tiunova, N. A.

TITLE:

The Glutelin of the Seeds of Perennial Wheat M-2 and Its Parental Forms

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 2,
pp 448 - 449 (USSR)

ABSTRACT:

The author obtained the protein of the wheat Lutescens 329 (Triticum vulgare) which is soluble in alkali, of the couch grass Agropyrum glaucum and of the wheat M-2 cultivated by hybridization by the method of T. V. Osborne (Ref 6). The glutelins were salted out by the same method as the glyadins, but a saturated ammonium sulfate solution of 5% in an ammonia solution of 0.2% was used for this purpose. Figures 1 and 2 show the salting out curves of the glutelin preparations of the gramineae forms investigated in dependence on the ammonium sulfate saturation. These curves show in contrast to globumins and albumins for glutelins the greatest similarity with the curves of glyadin - a protein of the gramineae soluble in alcohol. 25% of the saturated solution were necessary for the per-

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SOV/20-127-2-6c/7c

The Glutelin of the Seeds of Perennial Wheat M-2
and Its Parental Forms

SCV/2c-127-2-6c/7c

fect salting out of the glutelin of the wheat Lutescens 329, 29% for the wheat M-2 according to the protein concentration, and 36% for the glutelin of the couch grass. The fact that the results may be reproduced and the parallels are equal shows that the conditions of salting out described here may be used for the glutelins of the gramineae. The preparations of the 3 mentioned proteins differ from one another by the quantity of the fractions difficult to be salted out. The surface properties of their molecules are, however, assumed to differ only inconsiderably. There are 2 figures and 6 references, 5 of which are Soviet.

ASSOCIATION: Glavnnyy botanicheskiy sad Akademii nauk SSSR (Botanic Main Garden of the Academy of Sciences, USSR)

PRESENTED: March 23, 1959, by N. V. Tsitsin, Academician

SUBMITTED: March 19, 1959

Card 2/2

TIUNOVA, N.A.

Protein complex of wheat grain and its changes in remote
hybridization. Trudy Glav. bot. sada 8:113-140 '61. (MIRA 15:1)
(Agropyron) (Proteins)
(Wheat)

TIUNOVA, N.A.

Fractionation of wheat gliadin and globulin. Dokl. Akad. Nauk SSSR 140
no.2:489-491 > '61. (MIRA 14:9)

1. Predstavleno akademikom N.V.TSitsinym.
(Gliadin) (Globulin) (Salting-out)

TIUREM'OV, S.M.

TIUREM'OV, S.M. *Torfianye mestorozhdenii. Moskva, Gostoptekhizdat, 1940.* 370 p.

DLC: Unclass.

SO: IC, Soviet Geography, Part I, 1951, Unav1.

TIUREN'YEV, S.N.

TIUREN'YEV, S.N. Torgovye mestorozhdeniya i ikh rasvedka. Izd. 2., perer. Dopushcheno
v k-ches'tye uchebniika dlia torf'nykh institutov. Moscow, Gos. gos. izd-vo, 1949.

464 p.

DA MI

DLC: TN837.T5 1949

SO: 10, Soviet Geography, Part I, 1951, Uncl.

A-1

BC

S. T. WILSON

REVIEWED BY
S. T. WILSON

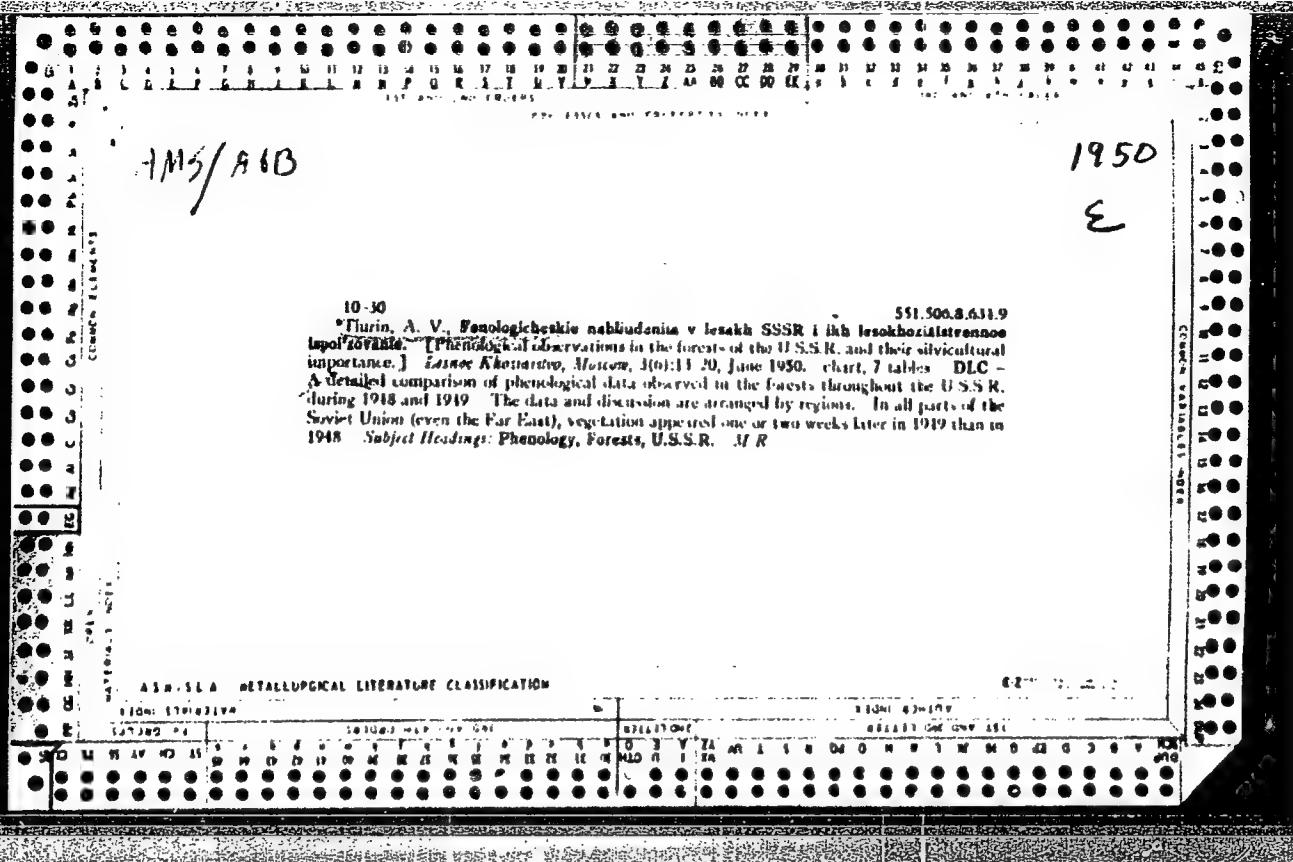
Mechanism of the action of the nickel oxide electrode. I.
D. V. Pecherskaya, V. V. Lopatin, and A. D. Smirnov (J. Russ.
Phys. Chem. 19, 11, 956, 1985). It is usually assumed that
charging of the Ni(OH)_2 electrode involves liberation of H_2O ,
and discharging consumes H_2O , from the electrolyte. To
check this assumption a Ni(OH)_2 electrode was charged in
KOH; the decrease of [KOH] corresponded with 1.1-2.0
mol of H_2O per Faraday in 1.26 and 2.3-3.0 M KOH in 1.56
M KOH. On a subsequent discharge an apparent consumption
of 1.1-2.6 and 2.8-3.8 H_2O is respectively per Faraday took
place. These values were, however, only apparent since
the amount of K_2CO_3 or KCl added to KOH remained almost
constant during charge and discharge. [KOH] change for one
Faraday during the action of KOH by Ni(OH)_2 . — J. J. B.

A-1

BC

G. S. TURKOV

Mechanism of the action of the nickel oxide electrode. I.
B. N. Tsvetkov, G. S. Turkov, and V. I. Smirnov. *J. Russ. Chem. Soc.*, 1910, 14, 692-708. It is usually assumed that charging of the Ni(OH)_2 electrode involves liberation of H_2O , and discharging consumes H_2O from the electrolyte. To check this assumption a Ni(OH)_2 electrode was charged in KOH ; the degree of KOH corresponded with 11-20 mol of H_2O per faraday in 120 and 23-30 H_2O in 118 KOH . On a subsequent discharge an apparent consumption of 11-26 and 28-38 H_2O respectively per faraday took place. These effects were, however, only apparent since the amount of KOH or KCl added to KOH remained almost constant during charge and discharge. KOH , charge, became an aqueous solution of KOH by Ni(OH)_2 - 11-20 mol of H_2O per faraday.



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B.P. [Zhantalay, B.P.]; GRISAEVA, S. P. [Grishayeva, S. P.]

Polarographic determination of caprolactam and amino acids,
intermediate products of synthetic fibers. Analele chimie 17
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Uchlovia pochvoobrazovaniia i krat. opisanie pochy
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20 gg. Moskva, AN SSSR, 1935. 73 p.

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DLG: Unclassified

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Determination of the nitrogen requirements of soils. I. V. Tsvetan and M. M. Kovova (Trans. Dokuchaiev Soil Inst., 1934, 10, No. 4, 49-56).—The soil org. matter is hydrolyzed with $0.05N\text{-H}_2\text{SO}_4$ and filtered. N is determined in an aliquot. Agreement

between field and laboratory experiments was obtained with 80% of the soils examined (podzols and chernozems). A. M.

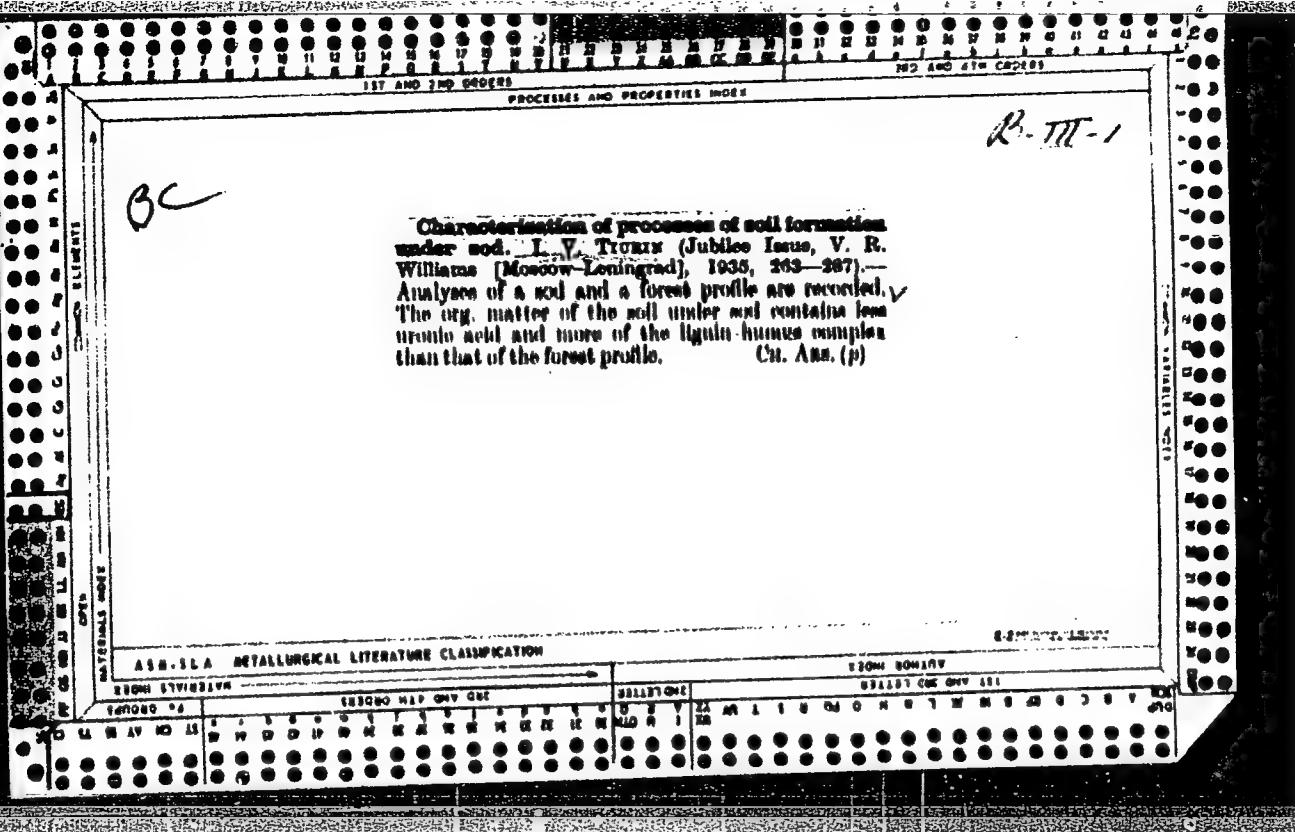
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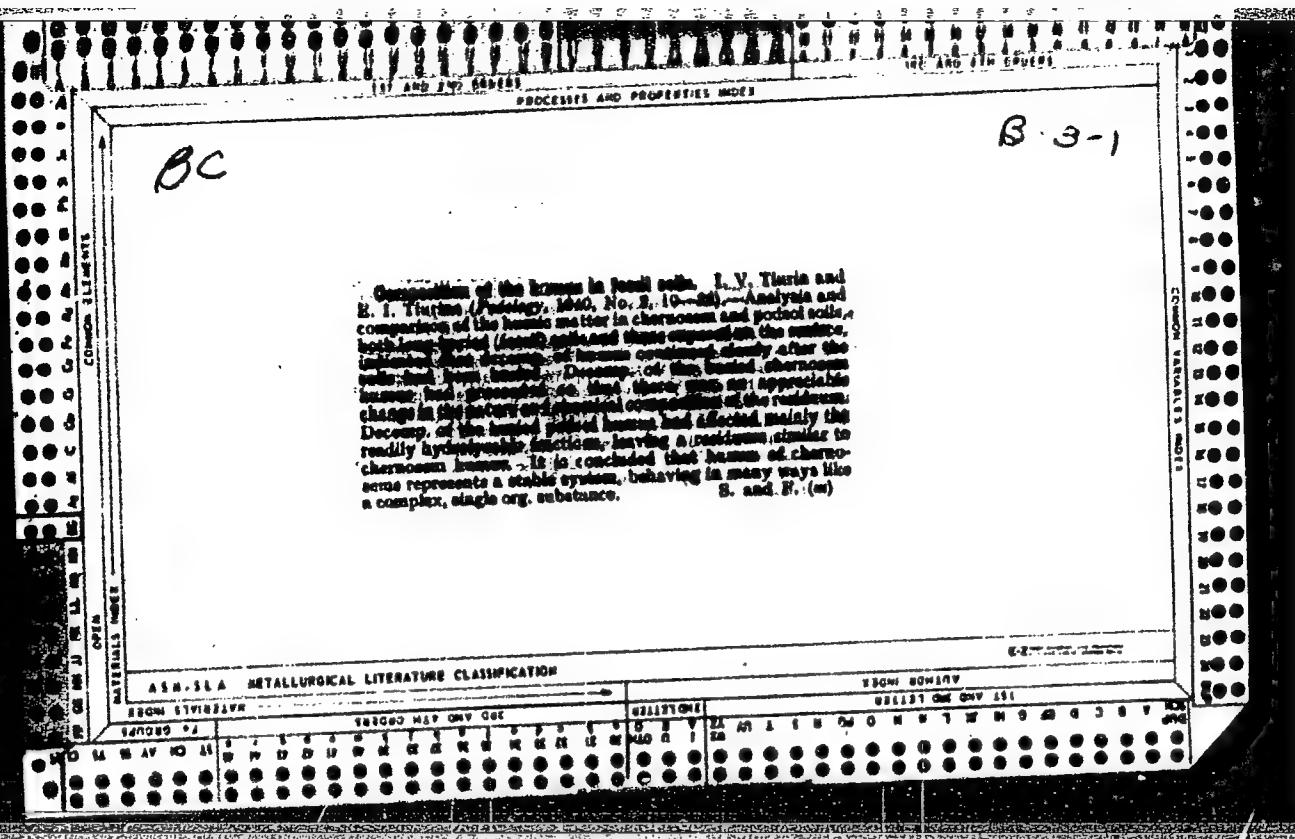
B-Z-1

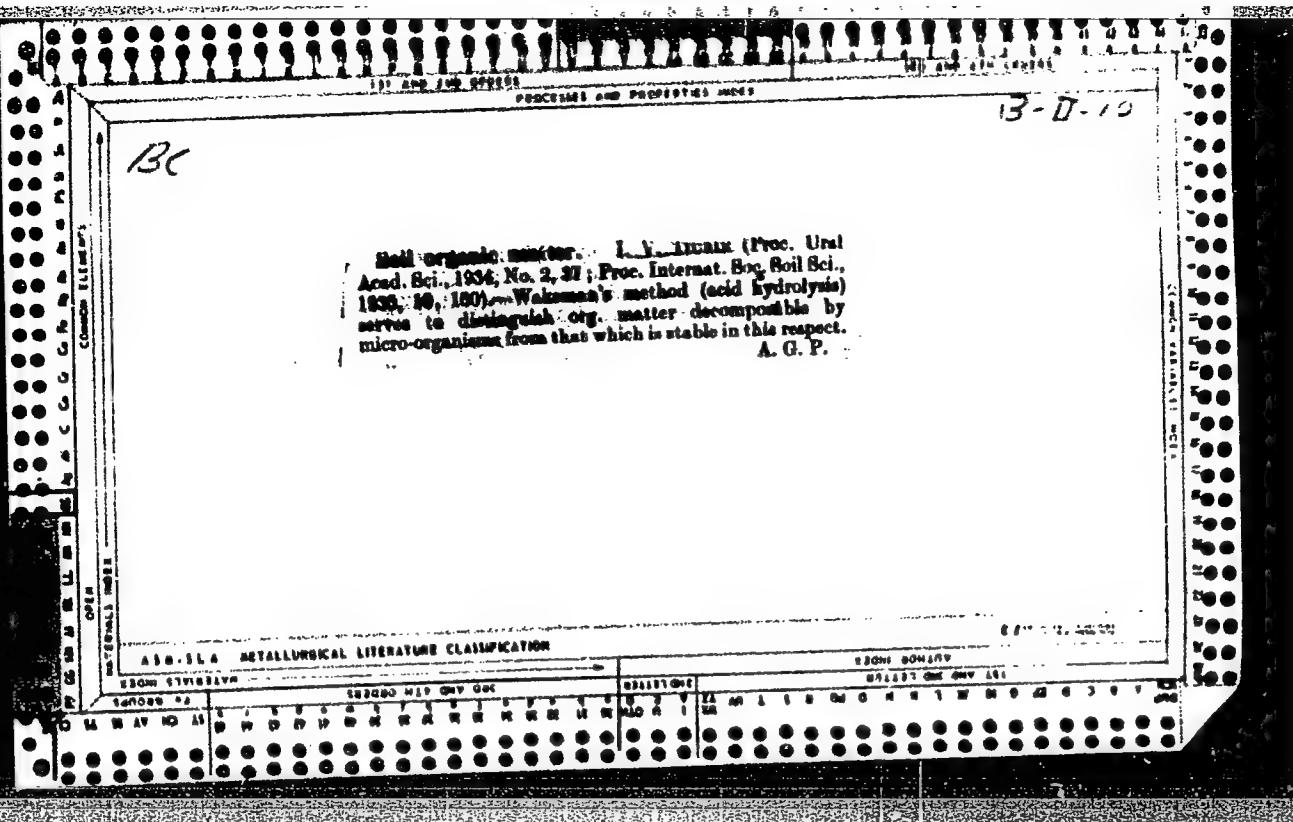
ASH-31A METALLURGICAL LITERATURE CLASSIFICATION

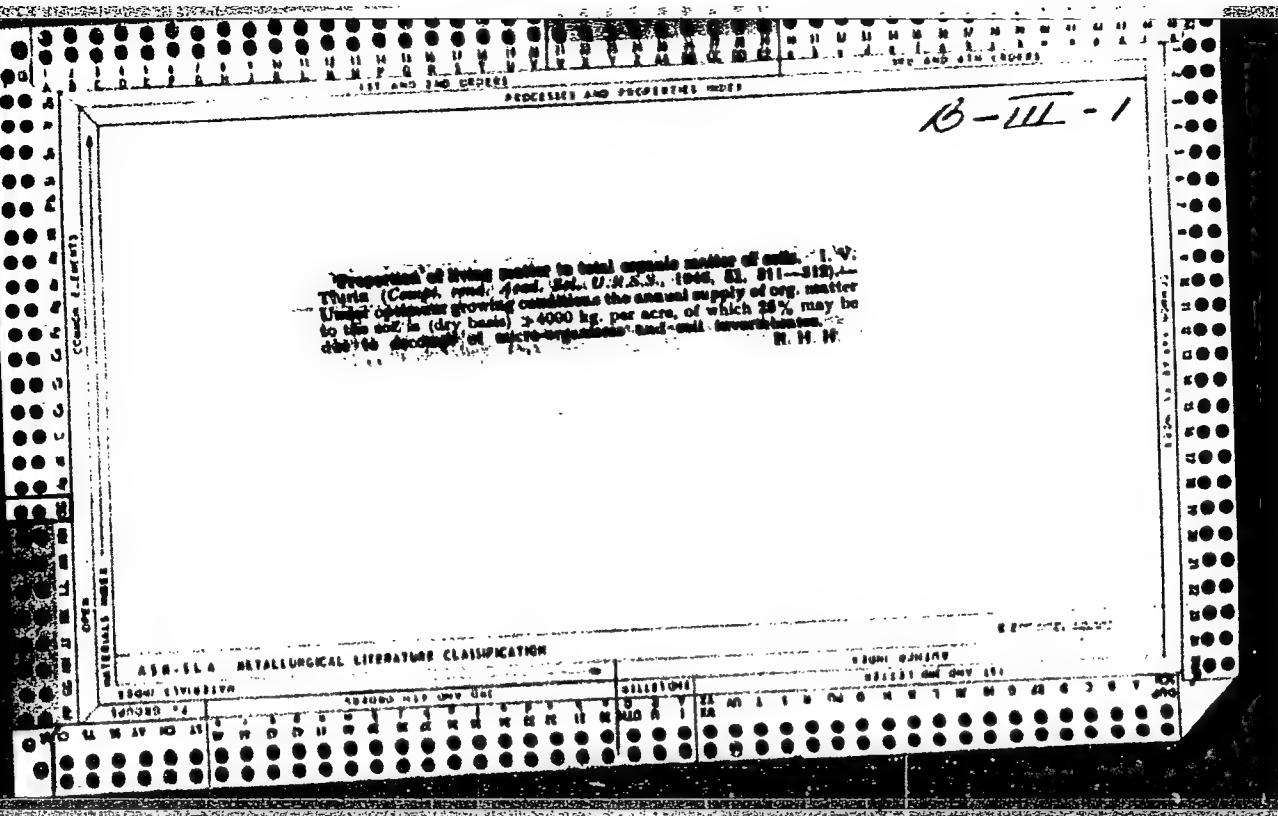
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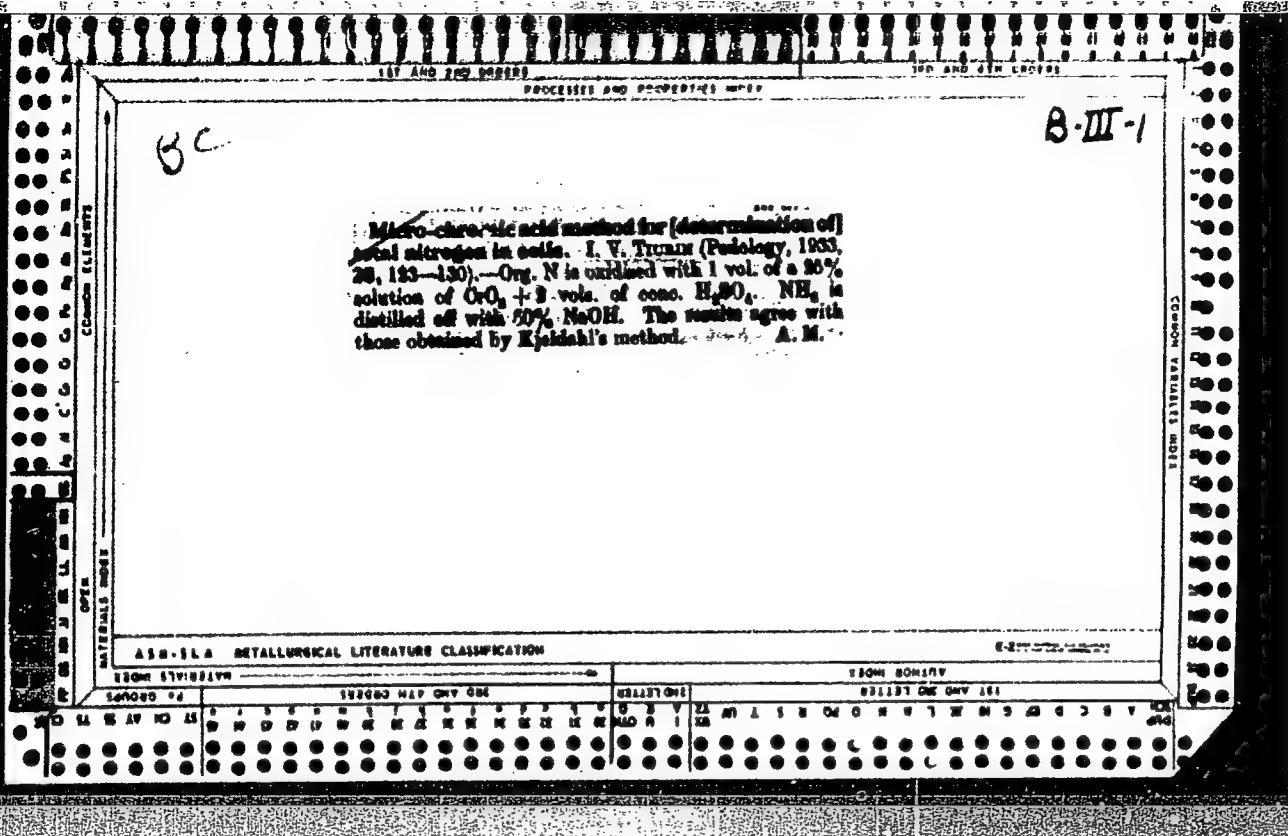
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TIURIN, N.S.

CZECHOSLOVAKIA

LIALIKOV, DU. B.; NADAK, L. G.; TIURIN, N. S.

Institute of Chemistry, Academy of Sciences of the Moldavian SSR
(Institut khimii Akademii nauk Moldavskoi SSR), Kishinev, USSR
(for all)

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DLC: HC335.T727 1945

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Wine and wine making

Objective method for determining marc. Vin. SSSR 12 No. 9, 1952.

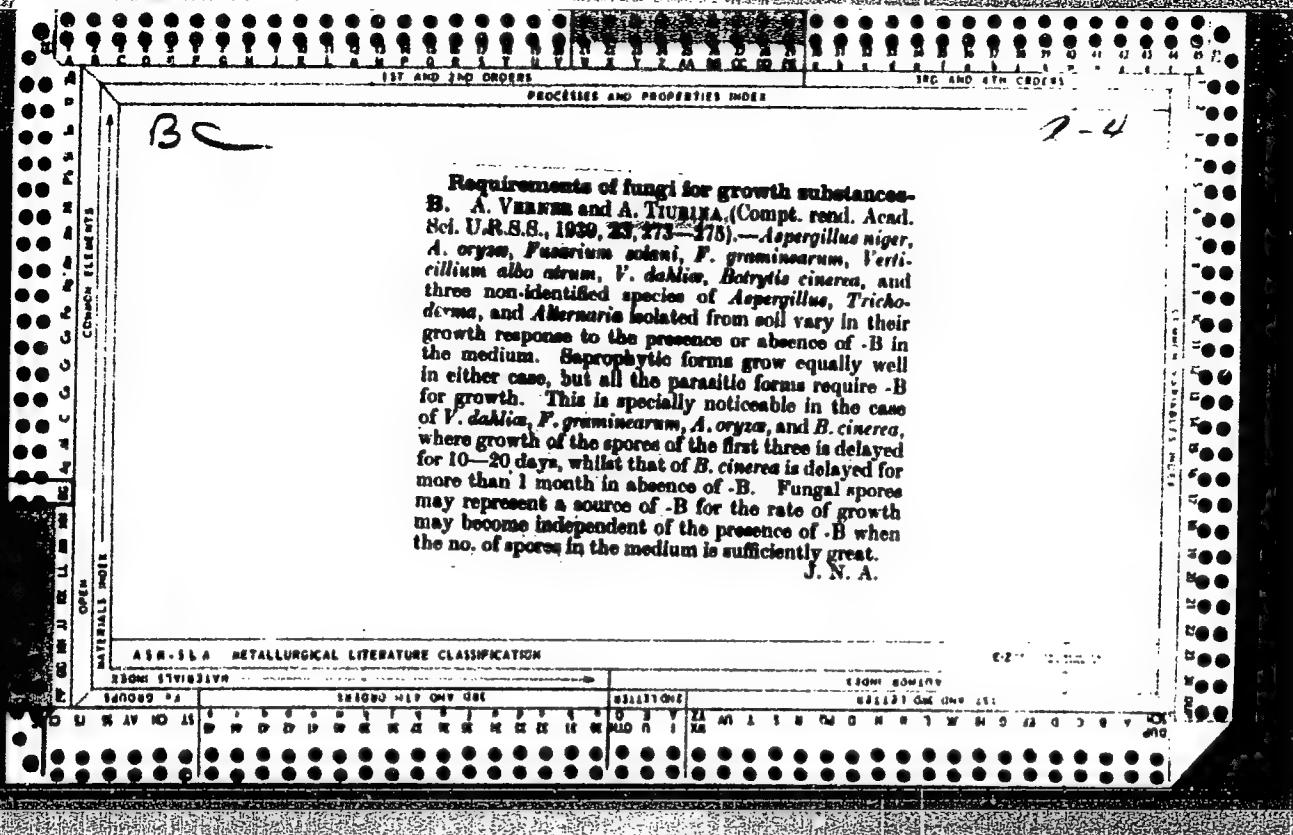
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2

KOROTKEVICH, A. V.; TIURIN, S. T.

Wine and wine making

Objective method for determining marc. Vin. SSSR 12 no. 9, 1952.

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8c

B-9-1

Composition of the humus in forest soils. I. V. Tikhon and B. I. Tikhon. *Pedology*, 1960, No. 2, 10-20. — Analysis and composition of the humus matter in chernozem and podzolic soils both in the forest and in the forest-steppe zone, the semidesert, and the desert. The authors have determined, every other year, the humus content in the soils of the forest chernozem, desert chernozem, forest-steppe chernozem, and desert podzolic soils. The humus content in the forest chernozem has not appreciably changed in the course of 10 years. The composition of the residual Decom. of the forest chernozem humus has not changed, mainly the readily hydrolyzable fraction, having a composition similar to chernozem humus. It is concluded that humus of chernozem soils represents a stable system, behaving in many ways like a complex, single org. substance. B. and F. (m)

ASA-31A METALLURGICAL LITERATURE CLASSIFICATION

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7. All of the following have a common T₁ inhibitor. Which one is not correct?

1. What is the relationship between the following two concepts?

TIURNIN, V., inzhener-maior, kandidat na tekhnicheskite nauki

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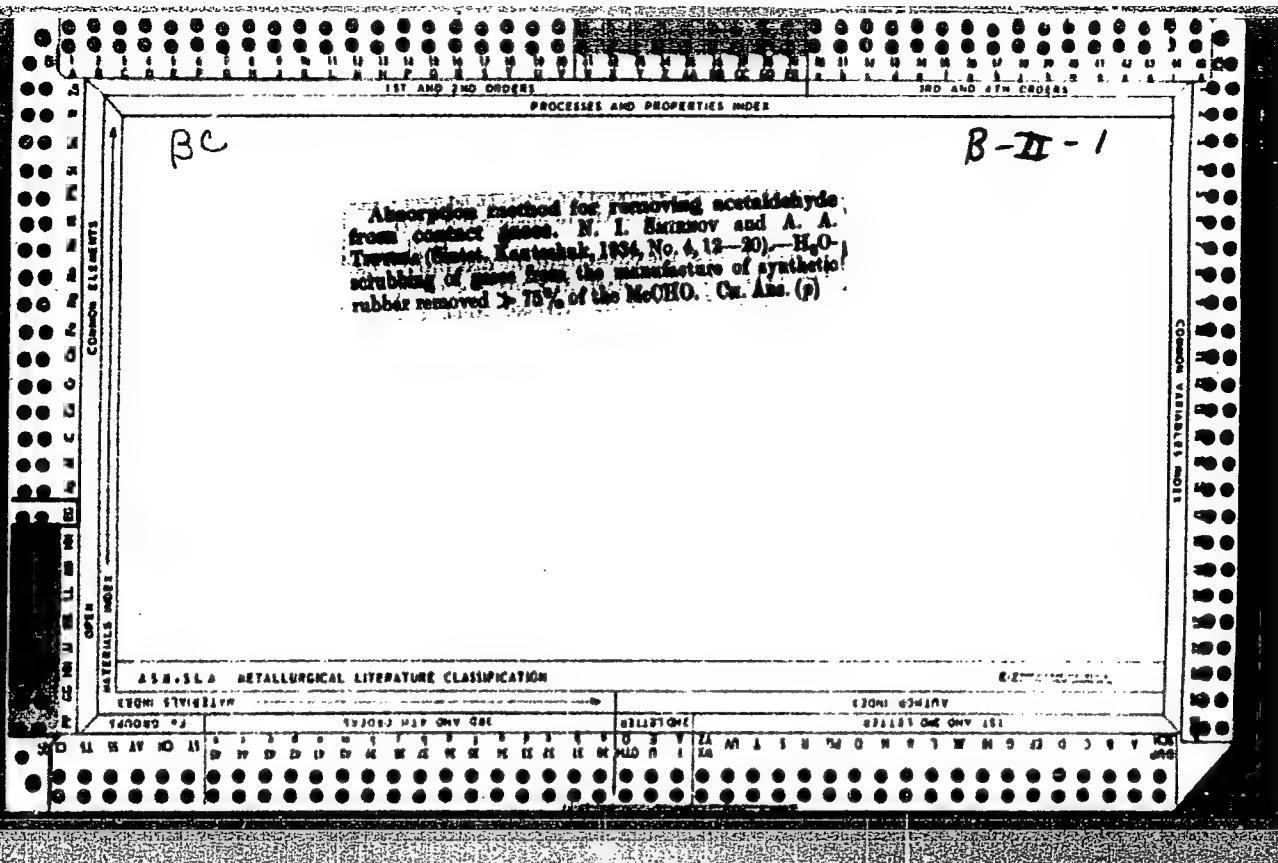
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11656° (Modification of High-Alloy Cast Steels.) Modifit.
irovaniye litikh vysokolegirovannykh stalei. N. D. Tiutova
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no. 1, May 1, 1954, p. 119-120.
Improved cutting properties by small additions of B. Tables.
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SO: Monthly List of East European Accisions, (АЛ), LC, Vol. 4, No. 1,
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1. TIVINS, I. A.
2. USSR (600)
3. Electric Conductivity
4. Surface effect in a conducting trapezoidal rod situated in a ferromagnetic medium.
Latv. PSL Zin. Akad. Vestis 3, 1951.
- 5.
- 6.
- 7.
- 8.
9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

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p. 361 Vol. 3, 1955 IZVESTILA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

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Quantum mechanics of electron transfer in electrochemical electrode processes. Doklady BAN 15 no.5:531-534 '62.

1. Bulgarian Academy of Science, Institute of Organic Chemistry, Sofia. Submitted by Corresponding Member S. Christov [Khristov, S.].

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IZVESTIYA, Sofiia, Bulgaria, Vol. 6, 1958.

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"Concerning polarographic behavior of geometric syn- and anti- isomers in
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DOKLADY, Sofiia, Bulgaria, Vol. 11, no. 3, May/June 1958.

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Izv Inst khim BAN 7: 333-339 '60. (EEAI 10:9)

1. Viesh meditsinski institut v Sofiiia katedra po meditsinska
khimiia.

(Molecular rotation)

ABC

Properties of, and displacement-adsorption in, soap solutions. B. Tumenskoy and S. Pluzhnikova (Allgem. Oel- u. Fett-Ztg., 1934, 34, 59-63; cf. B., 1933, 754).—The power of soap in solution (I) to displace a dye previously adsorbed on active C, and (II) to reduce the adsorption by C of a dye previously dissolved in the soap solution (S), has been studied. Both (I) and (II) increase with increasing concn. of S (up to 1%) and with the time of contact of S and the C. Castor-oil soap was the most, and rosin soap the least, effective as regards (I), but both surpassed oleine soap in the property (II). G. L.

B. L.

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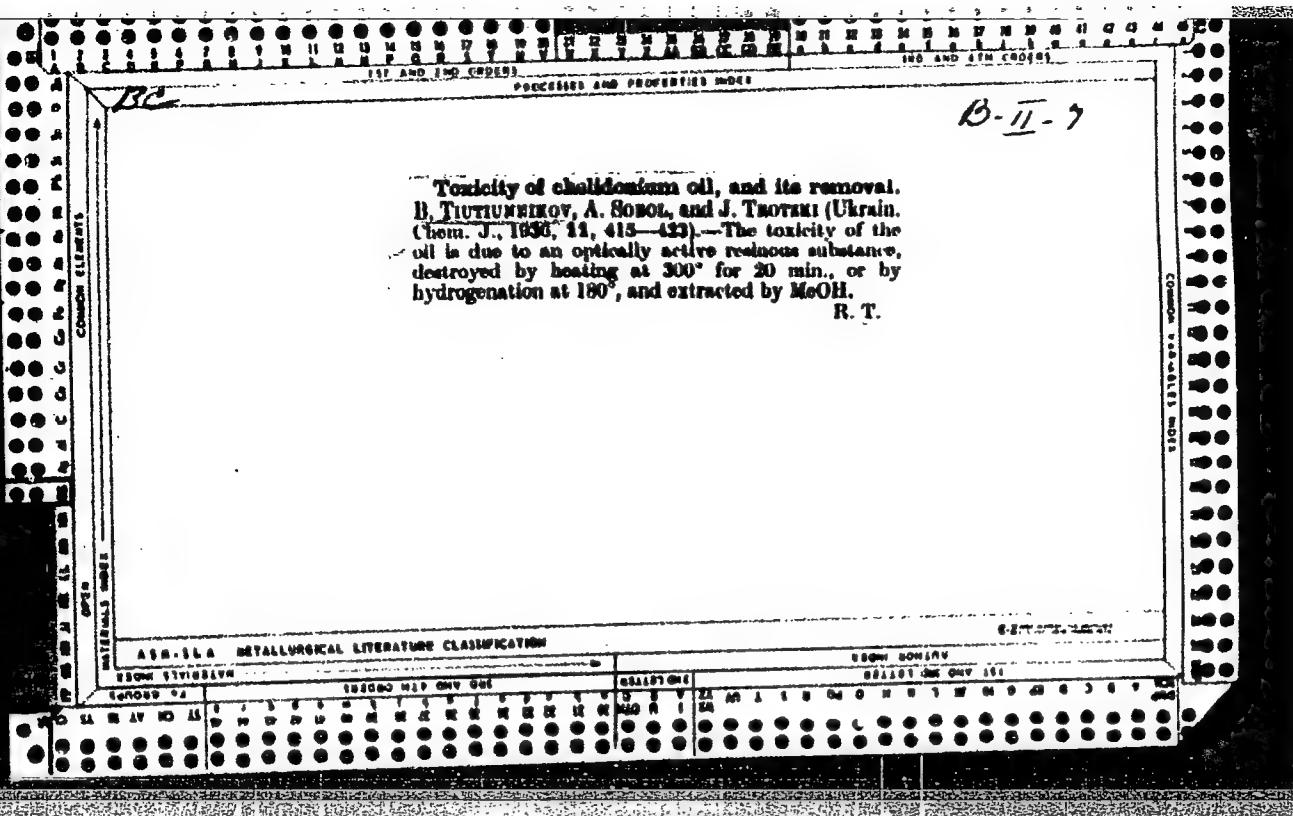
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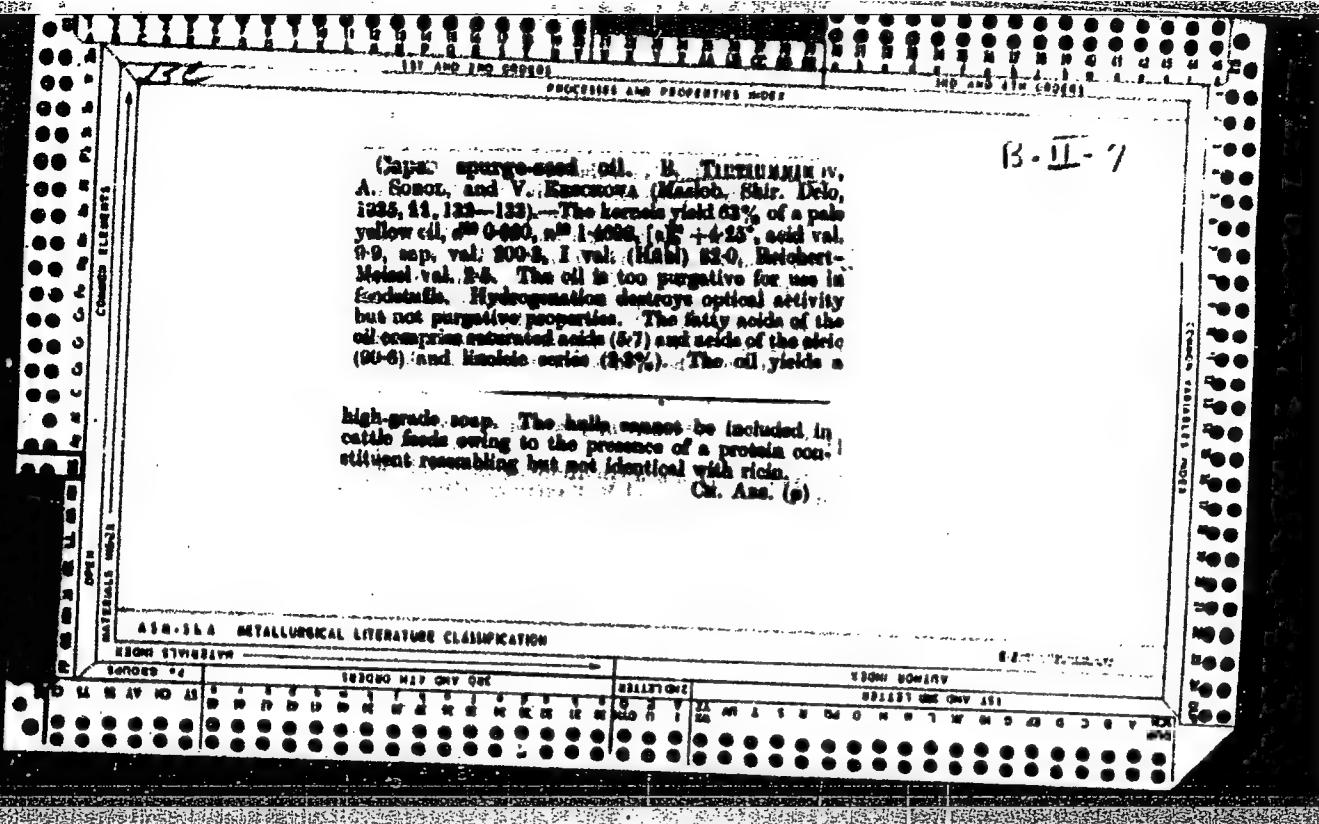
B-I-7

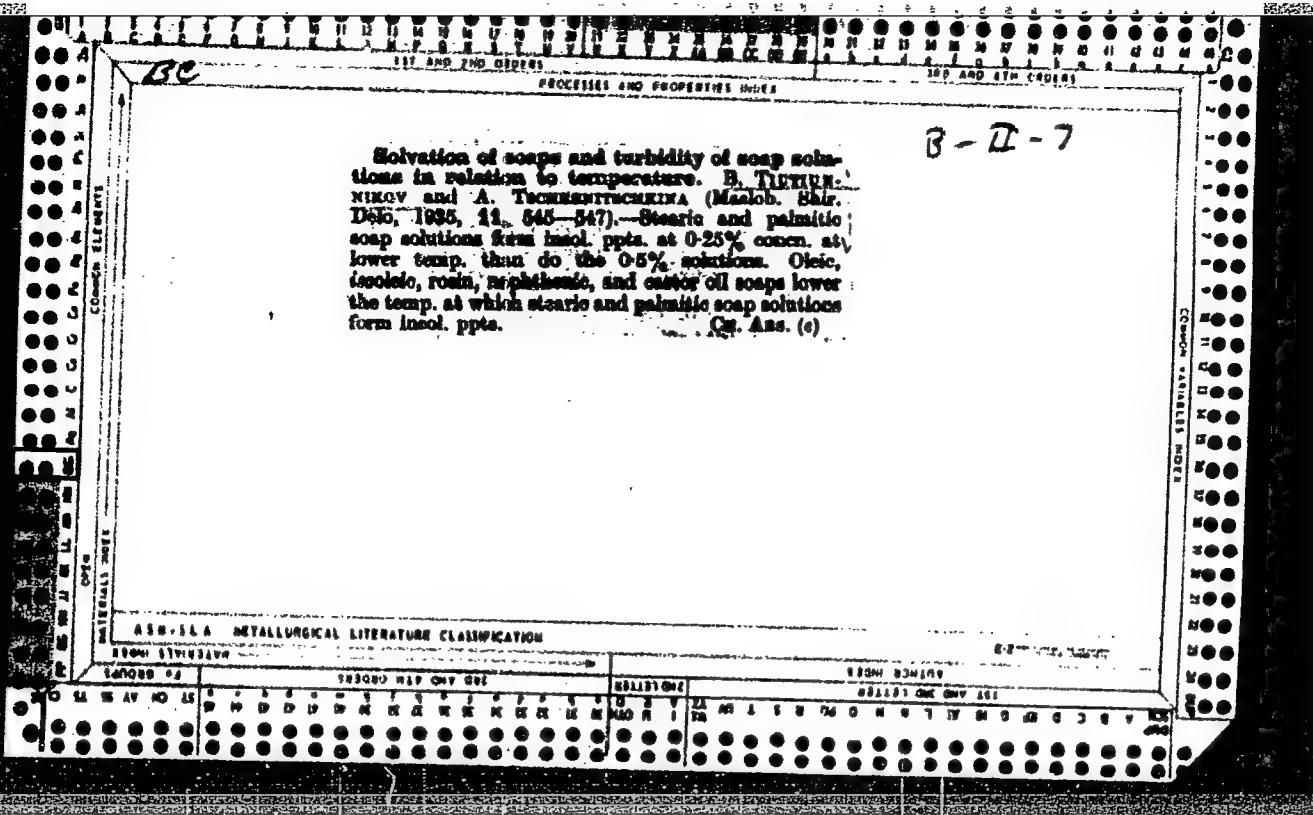
Stability of [sodium] perborate in washing powders. B. TIKHONOV and N. KARJANOVA (Ukrain. Chem. J., 1986, 11, 253-256).—Silicates, laurin, and cetylphenoxy soaps, β -C₁₂H₂₅OH, NH₄Cl, NH₄Ph, and NH₄PhAc stabilize NaB₄O₅, whilst citrates, tartrates, and alkalis accelerate decomp. The most stable powders are those containing least H₂O.

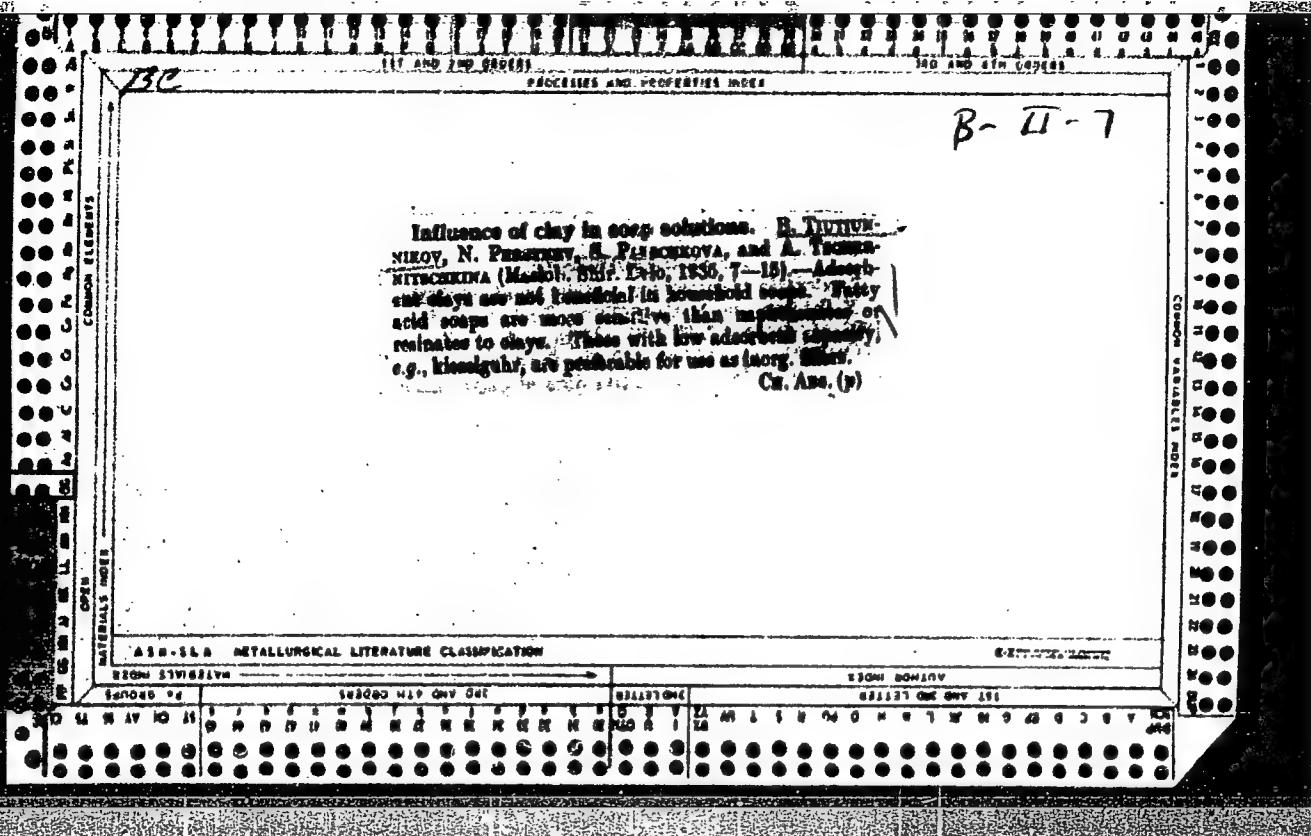
R. T.

AM-1A INTELLIGENCE LITERATURE CLASSIFICATION









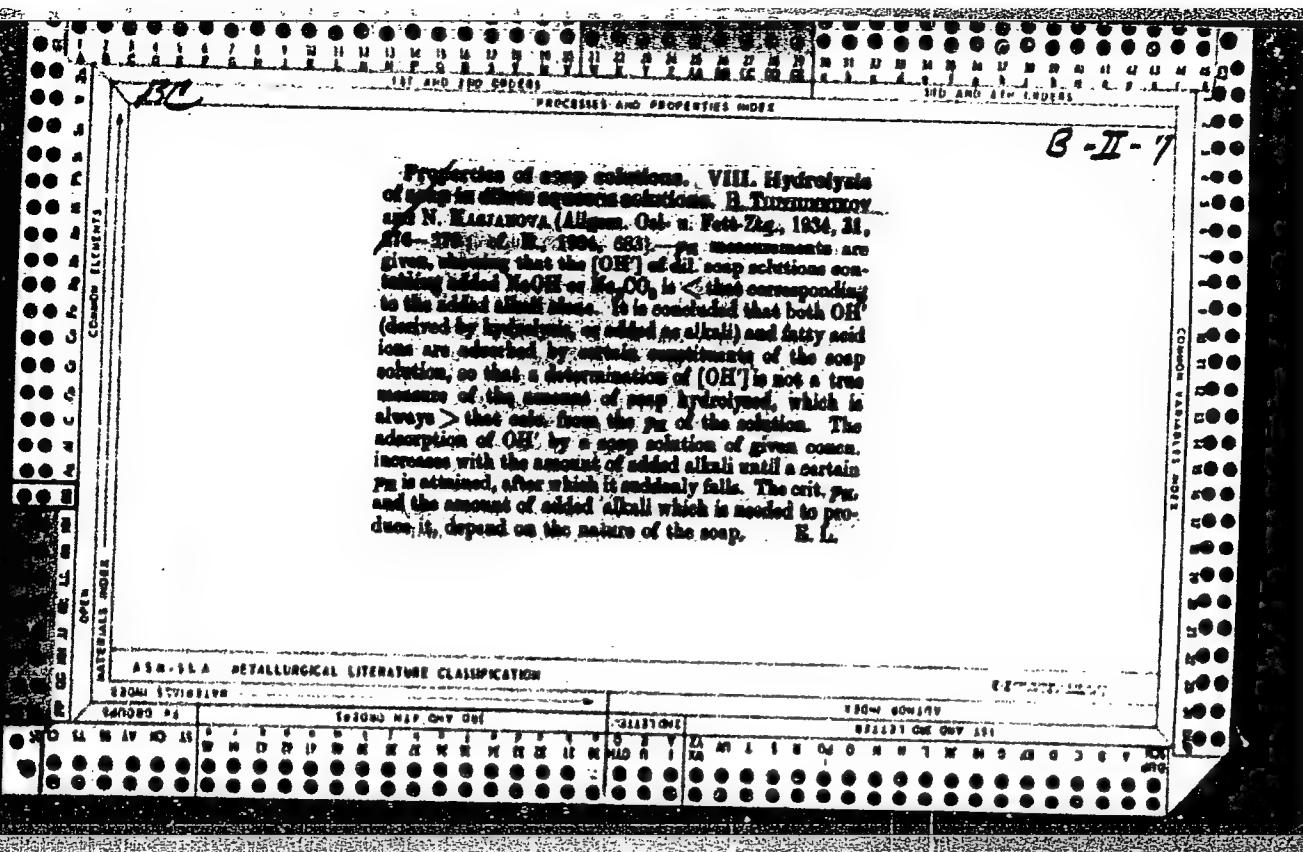
B-II-7

HYDROLYSIS OF SOAP IN DILUTE AQUEOUS SOLUTIONS. B. Timannikov and N. Kasjanova (Masch. Shir. Delo, 1935, II, 312-316).—The $[OH^-]$ of dil. soap solutions as used in washing is not an index of the extent of hydrolysis of the soap. Structural components of the soap molecule can adsorb OH^- and fatty acids, and the recorded pH is < that theoretically equiv. to the hydrolysed soap. Ch. Abs. (p)

ASM-SEA METALLURGICAL LITERATURE CLASSIFICATION

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SEARCHED	INDEXED	FILED	SEARCHED												SEARCHED											
			JAN 1960 MAR 1961 APR 1961				JULY 1961 AUG 1961 SEP 1961				JAN 1962 MAR 1962 APR 1962				JULY 1962 AUG 1962 SEP 1962				JAN 1963 MAR 1963 APR 1963							
100	100	100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		



Lathering power of soap solutions. R. TURIN-
NIKOV and N. KARANOV (Maslobotino Zdr. Delo,
1933, No. 2, 40-44).—Maxima were observed when the
concentration of fatty acids was 0.3-0.5% or 0.4-
0.5%. variation in temperature has little effect.
Comparative observations were made with various soaps.

Chemical Abstracts.

430.514 METALLURGICAL LITERATURE CLASSIFICATION

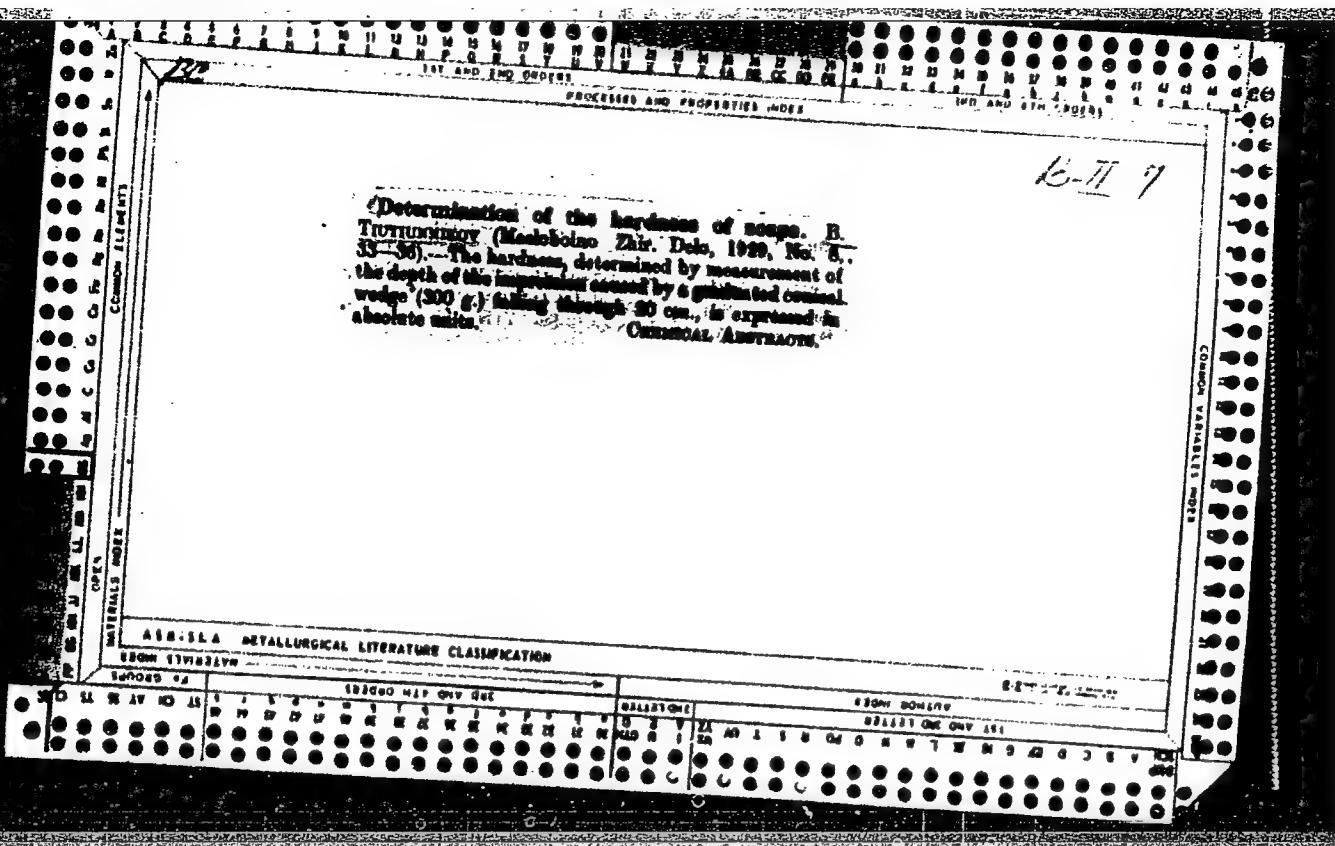
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CIA-RDP86-00513R001755910017-5"

Formation of stearic acid in the hydrogenation of sunflower oil. B. TROFIMOV and B. Kuzovolovskaya (Makrobiotika, 1938, No. 5, 53-61).—Unsaturated solid acids cannot be produced by the dehydrogenation of stearic acid. In the earlier stage of hydrogenation 65% of the linoleic acid is reduced to Δ^{10} oleic acid; in the latter stage this isomerizes to Δ^{12} oleic acid, or isomericides with the double linkage nearer to the carboxyl group. CHEMICAL ABSTRACTS.

B-II-7

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150

B-II-7

PROCESSES AND PROPERTIES INDEX

Glossy state of soap in commercial products. B. TIKHONOVICH, Z. PLIENIKHOVA, and A. TCHAKRATSKHINA (Moscow, Sov. Delo, 1937, No. 2, 18-22; No. 7, 35-37).—“Glycerin soap” differs from ordinary soap in being in the “unperceivable, glossy state.” Supercooling is possible when castor oil or colophony is included in the soap stock, and a certain optimum crystallization temp. exists for each type of soap. The causes of formation of opaque spots in transparent soaps are discussed. R. T.

R. T.

ASG-11A METALLURGICAL LITERATURE CLASSIFICATION

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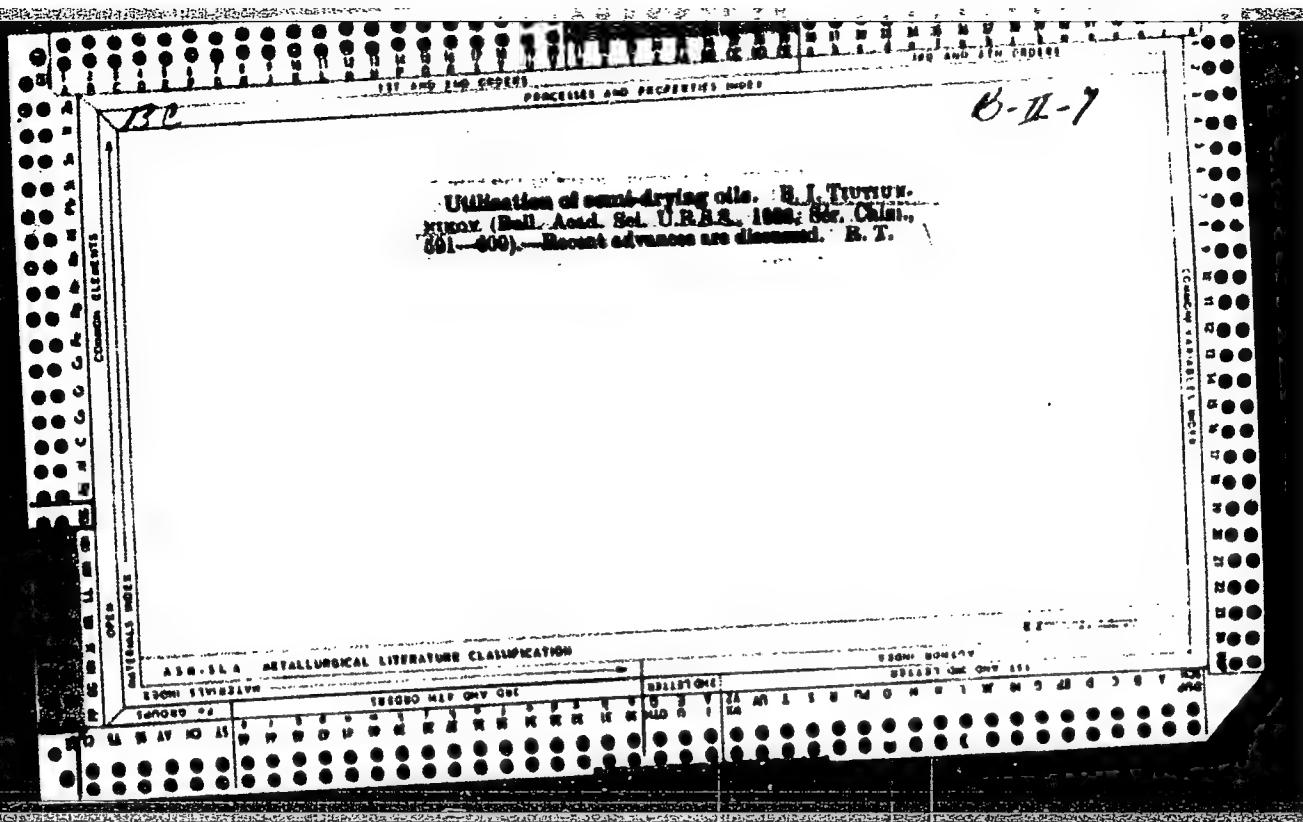
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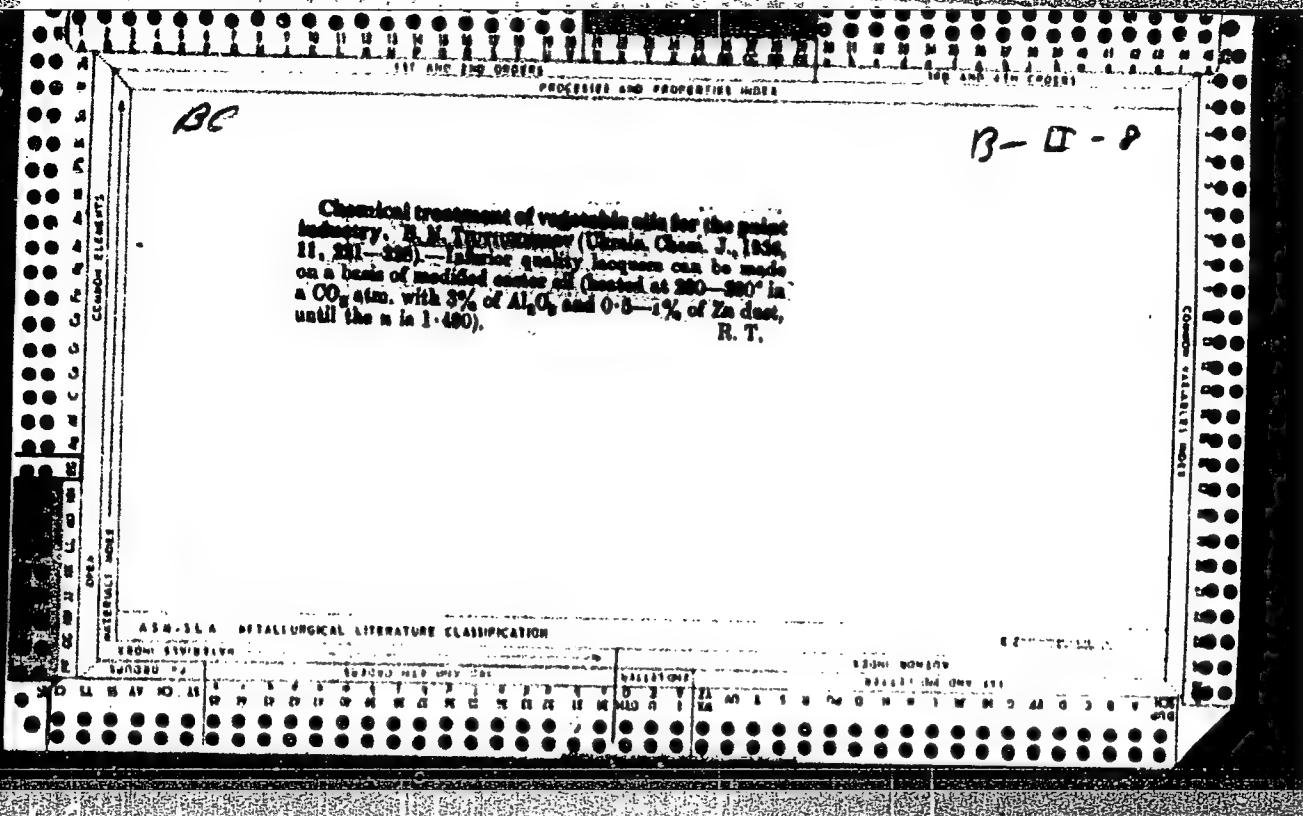
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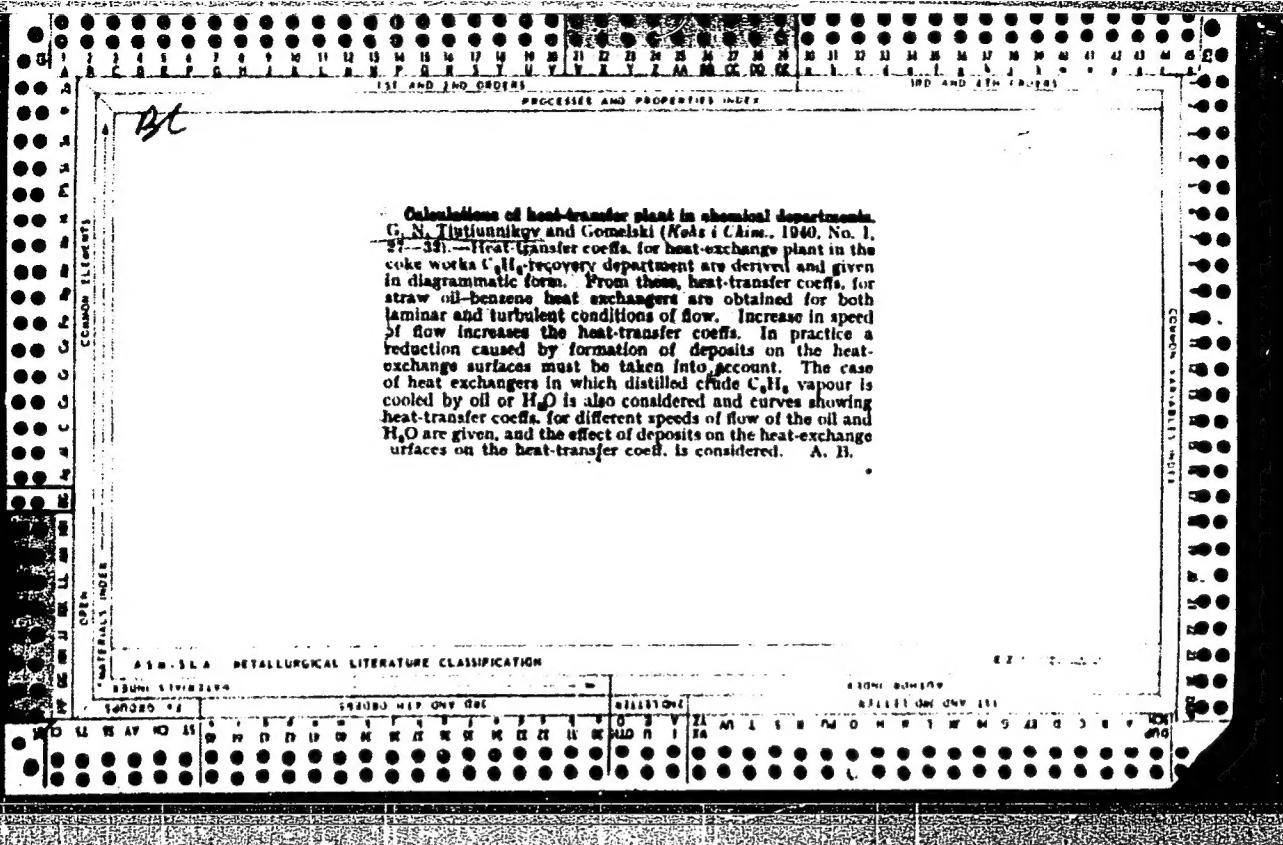
BC

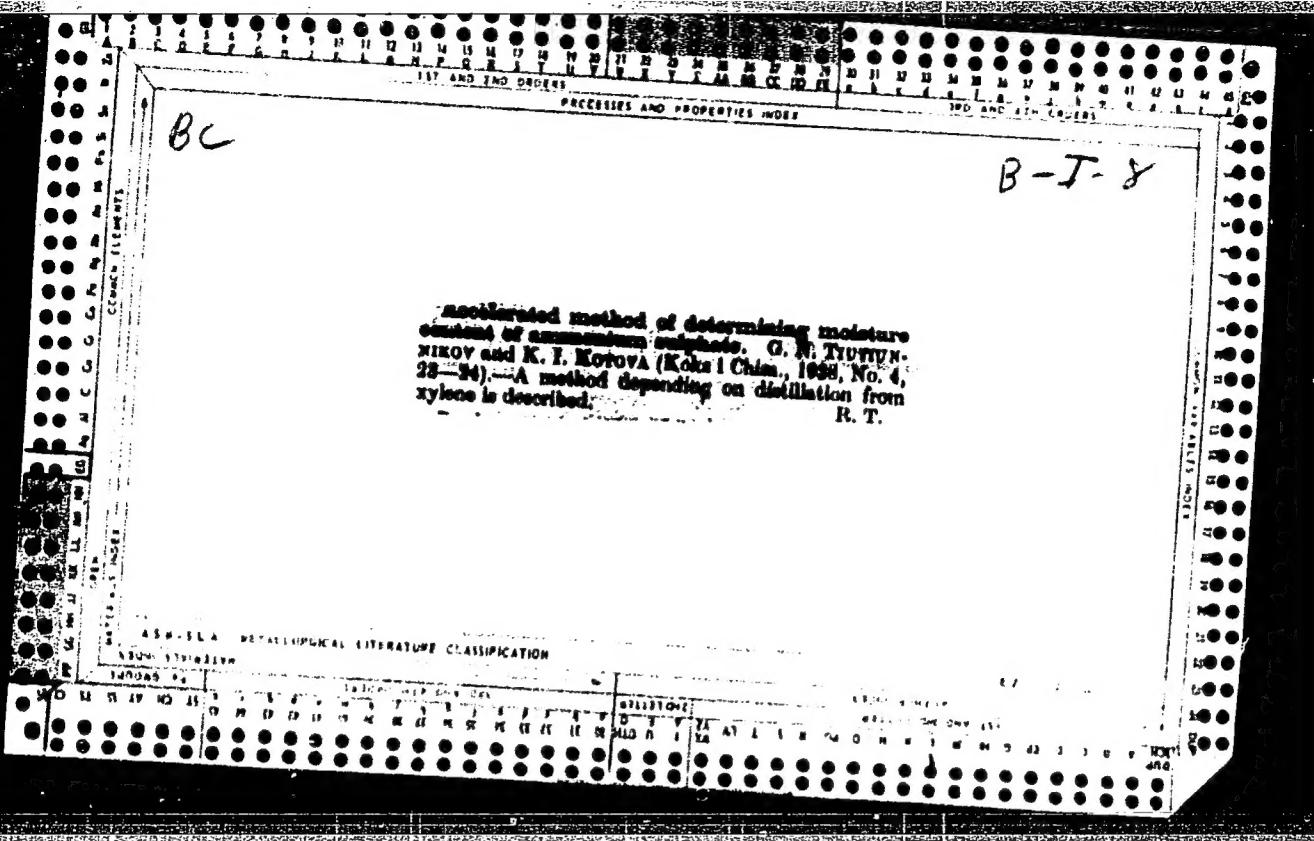
B-2-1

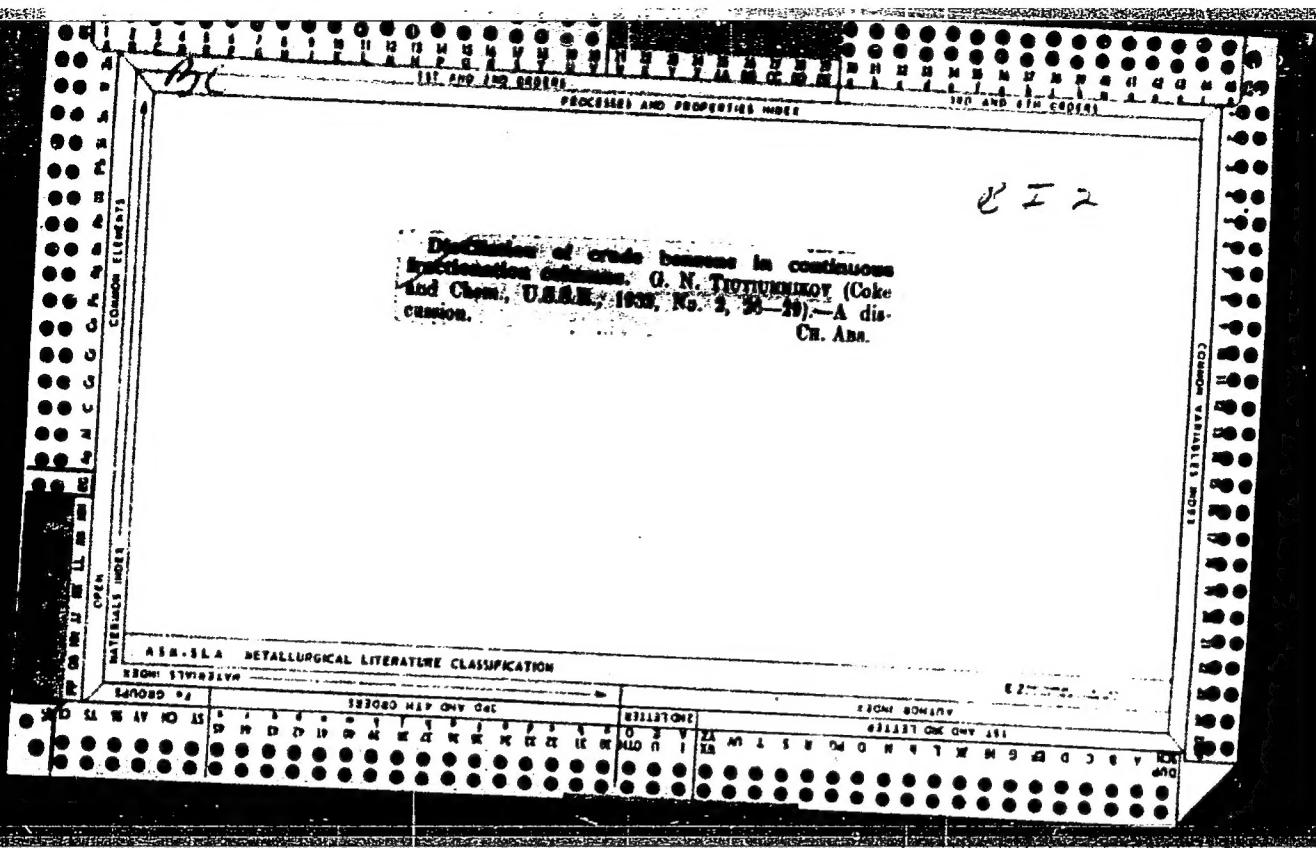
CAUSES OF CORROSION IN AUTOCLAVES FOR ORGANIC SYNTHESIS.
 B. Tintiunnikov and A. tschernitschkins Maslob Shir Dolo, 1935,
 78-79. In the pressure synthesis of MeOH from CO and of AcOH
 and CH₂O from acraldehyde severe corrosion was best prevented
 by purifying the H₂ from each autoclave before recycling the gas.











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Tiuvin, M. G. "Methods of Control of Diseases of Agricultural Plants,"
Doklady Vsesoiuznoi Akademii Sel'skokhoziaistvennykh Nauk imeni V. I.
Lenina, no. 12, 1939, pp. 16-18. 20 Ak1

SO: SIRA-Si-90-53, 15 DEC. 1953